

**2002**  
**Virginia Department of Transportation**  
**Daily Traffic Volume Estimates**  
**Including Vehicle Classification Estimates**  
where available

**Special Locality Report**  
**199**

Town of Colonial Beach

Prepared By  
**Virginia Department of Transportation**  
**Mobility Management Division**

In Cooperation With  
**U.S. Department of Transportation**  
**Federal Highway Administration**

Virginia Department of Transportation  
Mobility Management Division  
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

## **Publication Notes**

### **Parallel Roads**

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

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VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

## Glossary of Terms:

**Route:** The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

**Length:** Length of the traffic segment in miles.

**AADT:** Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

### QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

**4Tire:** Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

**Bus:** Percentage of the traffic volume made up of busses.

**2Axle Truck:** Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

**3+Axle Truck:** Percentage of the traffic volume made up of single unit trucks with three or more axles.

**1Trail Truck:** Percentage of the traffic volume made up of units with a single trailer.

**2Trail Truck:** Percentage of the traffic volume made up of units with more than one trailer.

### QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

**Peak Hour:** The estimate of the traffic volume for the 30<sup>th</sup> highest traffic volume occurring in a one-year period divided by the AADT for the same one-year period.

**QK:** Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During 12 Months of Continuous Traffic Data
- B Factor based on 30th Highest Hour Observed During Less than 12 Months of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of 30th Highest Hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

**Dir Factor:** The estimate of the portion of the traffic volume traveling in the peak direction during the Peak Hour..

**AAWDT:** Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

**QW:** Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

**Year:** Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

## Route Shield Legend

### Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	

### Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
205	1.79	4600	N	From:	NCL Colonial Beach				N	0.084	N	0.67	4600	N	2002	
				To:	WCL Colonial Beach											
205	0.27	5600	G	From:	WCL Colonial Beach				F	0.086	F	0.536	5600	G	2002	
				To:	WCL Colonial Beach											
Wye 205	0.69	7000	N	From:	WCL Colonial Beach				N	0.087	N	0.537	6900	N	2002	
				To:	End State Maintenance SR 205											
1101 96	1.35	660	G	From:	96-1121				C	0.105	F	0.569	660	G	2002	
				To:	96-1103											
1101 96	0.06	950	R					NA			NA		06/18/2001			
				To:	96-1108											
1102 96	0.09	80	R					NA			NA		1998			
				To:	96-1144											
1102 96	1.08	250	G	From:	96-1103 South				F	0.107	F	0.642	250	G	2002	
				To:	96-1103 North											
1102 96	0.12	2800	G	From:	96-1127				F	0.087	F	0.558	2800	G	2002	
				To:	96-1127											
1102 96	0.19	4100	G	From:	SR 205 Y				C	0.085	F	0.546	4100	G	2002	
				To:	96-1113											
1103 96	0.03	90	R					NA			NA		06/18/2001			
				To:	96-1121											
1103 96	0.11	800	G	From:	96-1102 North				C	0.092	F	0.558	800	G	2002	
				To:	96-1102 North											
1103 96	0.09	2200	R					NA			NA		06/18/2001			
				To:	96-1111											
1103 96	0.03	960	G	From:	96-1101				F	0.099	F	0.601	960	G	2002	
				To:	96-1121											
1104 96	0.26	60	R					NA			NA		06/18/2001			
				To:	96-1121											
1105 96	0.26	45	R					NA			NA		06/18/2001			
				To:	96-1101											
1106 96	0.26	40	R					NA			NA		06/18/2001			
				To:	96-1121											
1107 96	0.37	190	R					NA			NA		06/18/2001			
				To:	96-1122											
1107 96	0.58	460	R					NA			NA		06/18/2001			
				To:	96-1103											
1107 96	0.12	1400	G	From:	96-1127				C	0.102	F	0.544	1400	G	2002	
				To:	96-1110											
1107 96	0.06	1400	R					NA			NA		06/18/2001			
				To:	96-1107											
1108 96	0.21	500	R					NA			NA		06/18/2001			
				To:	96-1101											

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1109 96	0.12	720	R	From:	96-1108						NA			NA		06/18/2001
				To:	96-1110											
1110 96	0.27	870	R	From:	96-1126						NA			NA		06/18/2001
				To:	96-1109											
1111 96	0.21	290	G	97%	0%	2%	1%	0%	0%	C	0.101	F		290	G	2002
				To:	96-1102											
1112 96	0.28	260	R	From:	SR 205 Y						NA			NA		06/25/2001
				To:	96-1113											
1113 96	0.19	110	R	From:	96-1126						NA			NA		06/25/2001
				To:	96-1102											
1114 96	0.60	2900	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1134											
1115 96	0.60	220	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1143											
1116 96	0.32	80	R	From:	96-1159						NA			NA		06/25/2001
				To:	Dead End											
1117 96	0.12	45	R	From:	96-1118						NA			NA		06/25/2001
				To:	96-1102											
1118 96	0.19	360	R	From:	96-1127						NA			NA		06/18/2001
				To:	SR 205 Y											
1118 96	0.40	400	R	From:	SR 205						NA			NA		06/25/2001
				To:	SR 1114											
1119 96	0.74	190	R	From:	SR 205						NA			NA		06/18/2001
				To:	96-1136 Gap Terminus											
1119 96	0.48	480	R	From:	96-1163 Gap Terminus						NA			NA		06/18/2001
				To:	Dead End											
1120 96	0.29	70	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1153											
1121 96	1.28	600	G	97%	0%	2%	0%	1%	0%	C	0.097	F	0.567	600	G	2002
				To:	96-1103											
1122 96	0.25	40	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1123 96	0.14	80	R	From:	96-1121 North						NA			NA		06/18/2001
				To:	96-1121 South											
1124 96	0.19	240	R	From:	Dead End						NA			NA		06/18/2001
				To:	96-1121											
1124 96	0.26	80	R	From:							NA			NA		06/18/2001
				To:	96-1101											



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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1125 96	0.32	120	R	From:	96-1158						NA			NA		06/18/2001
				To:	96-1102											
1126 96	0.13	1500	G	From:	96-1127					F	0.092	F	0.54	1500	G	2002
				To:	96-1125											
1126 96	0.06	1600	G	From:	SR 205 Y					C	0.094	F	0.651	1600	G	2002
				To:	96-1140											
1126 96	0.59	890	G	From:	96-1141					F	0.107	F	0.644	400	G	2002
				To:	96-1152											
1126 96	0.30	230	G	From:	96-1126					C	0.096	F	0.62	1300	G	2002
				To:	96-1107											
1127 96	0.17	140	R	From:	96-1109						NA			NA		06/18/2001
				To:	96-1121											
1128 96	0.18	60	R	From:	Dead End						NA			NA		06/18/2001
				To:	96-1101											
1129 96	0.28	80	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1130 96	0.23	50	R	From:	96-1159						NA			NA		06/18/2001
				To:	96-1102											
1131 96	0.24	130	R	From:	96-1113						NA			NA		06/25/2001
				To:	96-1114											
1132 96	0.16	520	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1134											
1133 96	0.59	310	R	From:	96-1114						NA			NA		06/25/2001
				To:	96-1149											
1134 96	0.12	70	R	From:	96-1160						NA			NA		06/25/2001
				To:	96-1143											
1135 96	0.27	70	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1153											
1136 96	0.16	70	R	From:	96-1126						NA			NA		06/25/2001
				To:	96-1143											
1137 96	0.09	49	R	From:	96-1102						NA			NA		06/25/2001
				To:	Dead End											
1138 96	0.10	80	R	From:	96-1102						NA			NA		1998
				To:	Dead End											

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1140 96	0.27	40	R	From:	96-1160						NA			NA		06/25/2001
				To:	96-1143											
1141 96	0.59	180	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1143											
1142 96	0.58	270	R	From:	96-1143						NA			NA		06/25/2001
				To:	SR 205											
1143 96	0.42	130	R	From:	96-1135						NA			NA		06/25/2001
				To:	96-1152											
1144 96	0.20	60	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1145 96	0.24	40	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1146 96	0.22	48	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1147 96	0.27	47	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1101											
1148 96	0.20	20	R	From:	96-1121						NA			NA		06/18/2001
				To:	96-1119											
1149 96	0.57	180	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1134											
1150 96	0.28	90	R	From:	96-1160						NA			NA		06/25/2001
				To:	96-1143											
1151 96	0.11	47	R	From:	96-1126						NA			NA		06/25/2001
				To:	96-1143											
1152 96	0.55	560	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1143											
1153 96	0.22	100	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1136 Gap Terminus											
1153 96	0.45	160	R	From:	96-1163 Gap Terminus						NA			NA		06/25/2001
				To:	Dead End											
1154 96	0.47	330	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1153											
1155 96	0.37	360	R	From:	SR 205						NA			NA		06/25/2001
				To:	96-1153											
1157 96	0.06	80	R	From:	96-1158						NA			NA		06/18/2001
				To:	Dead End											
1158 96	0.14	150	R	From:	96-1157						NA			NA		06/18/2001
				To:	SR 205											

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
<div>1159</div> <div>96</div>	0.20	80	R	From	96-1125						NA			NA		06/25/2001
				To	96-1116											
<div>1160</div> <div>96</div>	0.57	500	R	From	96-1114						NA			NA		06/25/2001
				To	96-1152											
<div>1161</div> <div>96</div>	0.47	250	R	From	SR 205						NA			NA		06/25/2001
				To	96-1153											
<div>1162</div> <div>96</div>	0.31	130	R	From	96-1161						NA			NA		06/25/2001
				To	96-1136											
<div>1163</div> <div>96</div>	0.25	60	R	From	96-1161						NA			NA		06/25/2001
				To	96-1153											
<div>1164</div> <div>96</div>	0.20	140	R	From	Dead End						NA			NA		1998
				To	SR 205 Y											
<div>1165</div> <div>96</div>	0.12	40	R	From	96-1144						NA			NA		06/18/2001
				To	96-1120											
<div>1166</div> <div>96</div>	0.16	910	R	From	SR 205; SR 205 Y						NA			NA		06/25/2001
				To	96-1114											
<div>1166</div> <div>96</div>	0.06	540	R	From							NA			NA		06/25/2001
				To	96-1133											
<div>1166</div> <div>96</div>	0.06	460	R	From							NA			NA		06/25/2001
				To	96-1149											
<div>1166</div> <div>96</div>	0.13	270	R	From							NA			NA		06/25/2001
				To	96-1141											
<div>1167</div> <div>96</div>	0.01	140	R	From	SR 205 West						NA			NA		07/11/2001
				To	SWCL Colonial Beach											
<div>1167</div> <div>96</div>	0.01	160	R	From	SCL Colonial Beach						NA			NA		07/11/2001
				To	SR 205 East											